

Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 1. (previously presented) A method for processing a voice call over an Internet
2 by an Internet telephone set for used in a home environment, the Internet phone set
3 having an Internet interface device and a wireless device, the method comprising the
4 steps of:

5 receiving, by the Internet interface device, a signal from a cable network, the
6 signal representing Internet protocol data packets of the voice call and being both
7 modulated in a first format and compressed to match a format of the cable network;

8 demodulating, by the Internet interface device, the signal modulated in the first
9 format;

10 decompressing, by the Internet interface device, the demodulated signal;

11 compressing, by the Internet interface device, the decompressed signal into a
12 format of a home environment;

13 modulating, by the Internet interface device, the compressed signal into a
14 second format;

15 wirelessly transmitting, by the Internet interface device, the signal modulated in
16 the second format to the wireless device; and

17 demodulating and decompressing the signal modulated in the second format in
18 the wireless device.

1 2. (original) The method of claim 1, wherein the first format is H.323 compliant.

1 3. (original) The method of claim 1, wherein the first format comprises a same
2 modulation scheme as the second format.

1 4. (original) The method of claim 1, wherein the first format comprises a different
2 modulation scheme as the second format.

1 5. (previously presented) An Internet telephone set for used in a home
2 environment for processing a voice call over an Internet, comprising:

3 means for receiving, demodulating and decompressing a signal representing
4 Internet protocol data packets of the voice call, the signal being received from a cable
5 network, modulated in a first format and compressed in a format of the cable network;

6 means for modulating the signal into a second format and compressing the
7 signal into a format of a home environment for wireless transmission of the modulated
8 and compressed signal; and

9 a wireless device including means for demodulating and decompressing the
10 signal for completion of the voice call.

1 6. (previously presented) The Internet phone of claim 5, wherein the first format
2 is H.323 compliant.

1 7. (previously presented) The Internet phone of claim 5, wherein the first format
2 comprises a same modulation scheme as the second format.

1 8. (previously presented) The Internet phone of claim 5, wherein the first format
2 comprises a different modulation scheme as the second format.

1 9. (previously presented) The Internet phone of claim 5, wherein an interface
2 between the modulating and compressing means and the wireless device is a cordless
3 telephone interface.

1 10. (previously presented) The Internet phone of claim 9, wherein the cordless
2 telephone interface is analog.

1 11. (previously presented) The Internet phone of claim 10, wherein the analog
2 cordless telephone interface is CT-1 compliant.

1 12. (previously presented) The Internet phone of claim 9, wherein the cordless
2 telephone interface is digital.

1 13. (previously presented) The method of claim 1, wherein an interface between
2 the Internet interface device and the wireless device is a cordless telephone interface.

1 14. (previously presented) The method of claim 13, wherein the cordless
2 telephone interface is analog.

1 15. (previously presented) The method of claim 14, wherein the analog cordless
2 telephone interface is CT-1 compliant.

1 16. (previously presented) The method of claim 13, wherein the cordless
2 telephone interface is digital.